

FIG. 1

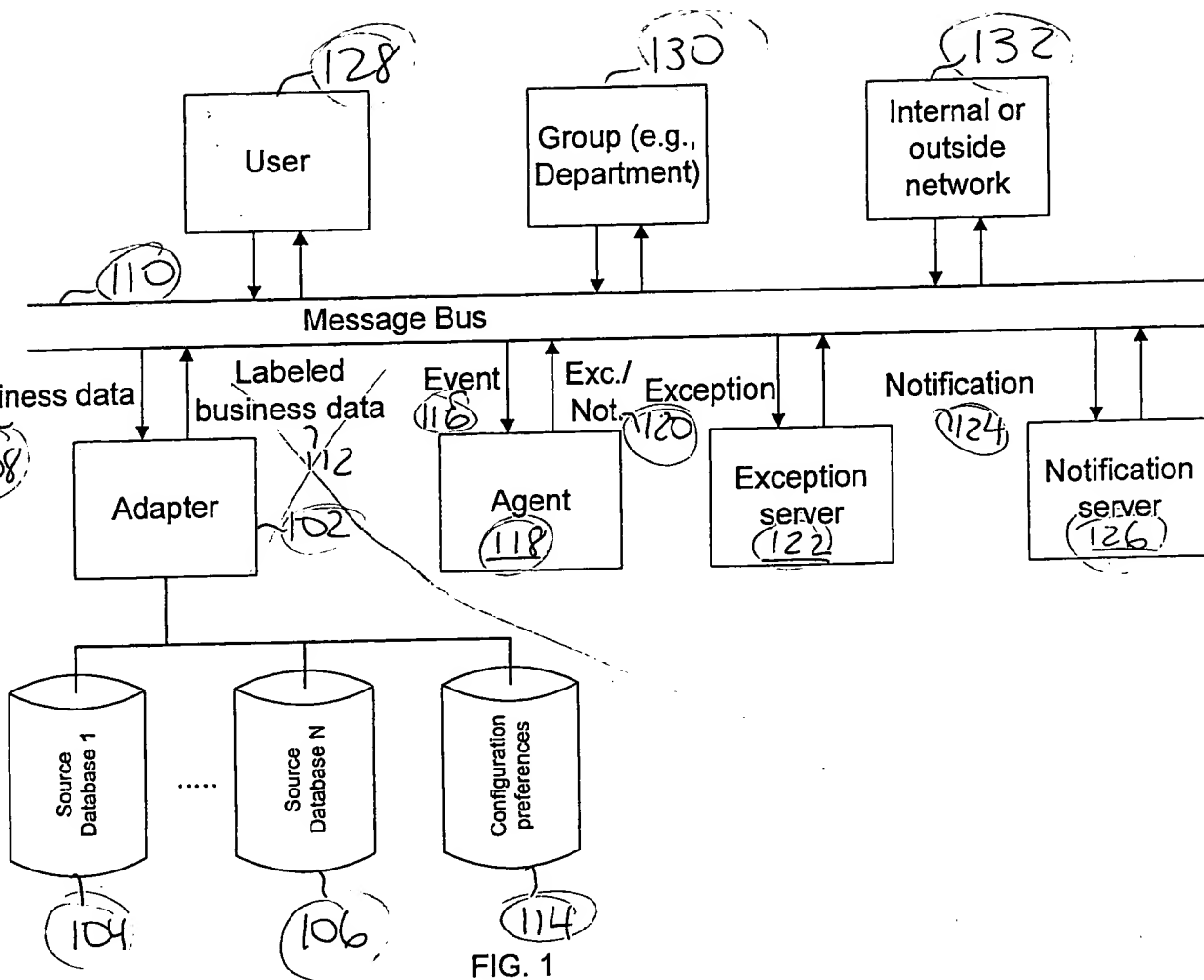


FIG. 1

← Business attribute #1

← Business attribute #2

206

{202}

210

208

212

212

Inventory level for SKU2 ← Business metric #2

•

•

•

FIG. 2

[illegible]

FIG. 3

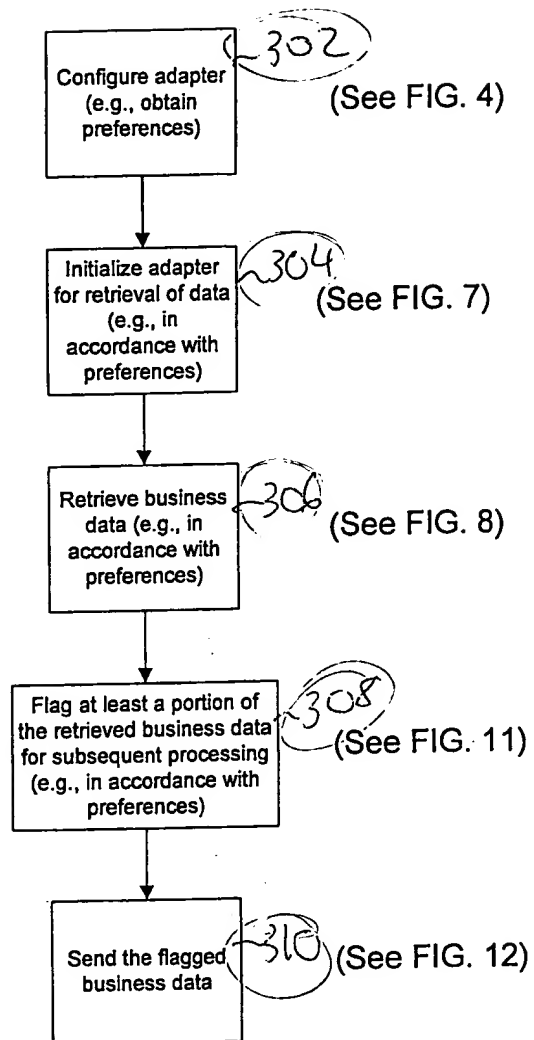


FIG. 3

FIG. 5

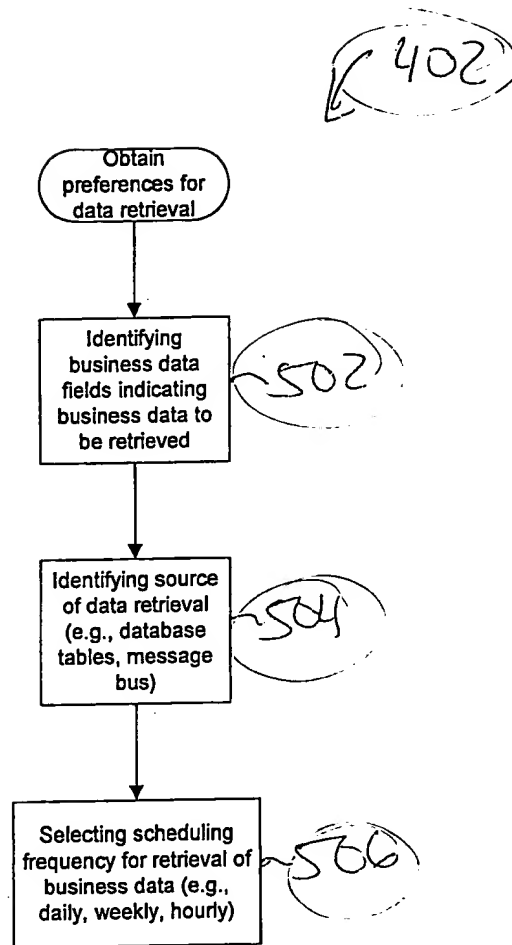


FIG. 5

404

Obtain preferences for
sending flagged
business data

Identifying business
attributes of the retrieved
business data to be
flagged for further
processing (e.g.,
monitoring)

602

Identifying business
metrics of the retrieved
business data to be
flagged for further
processing (e.g.,
monitoring)

604

FIG. 6

US 2004/0023000 A1

09886397.062004

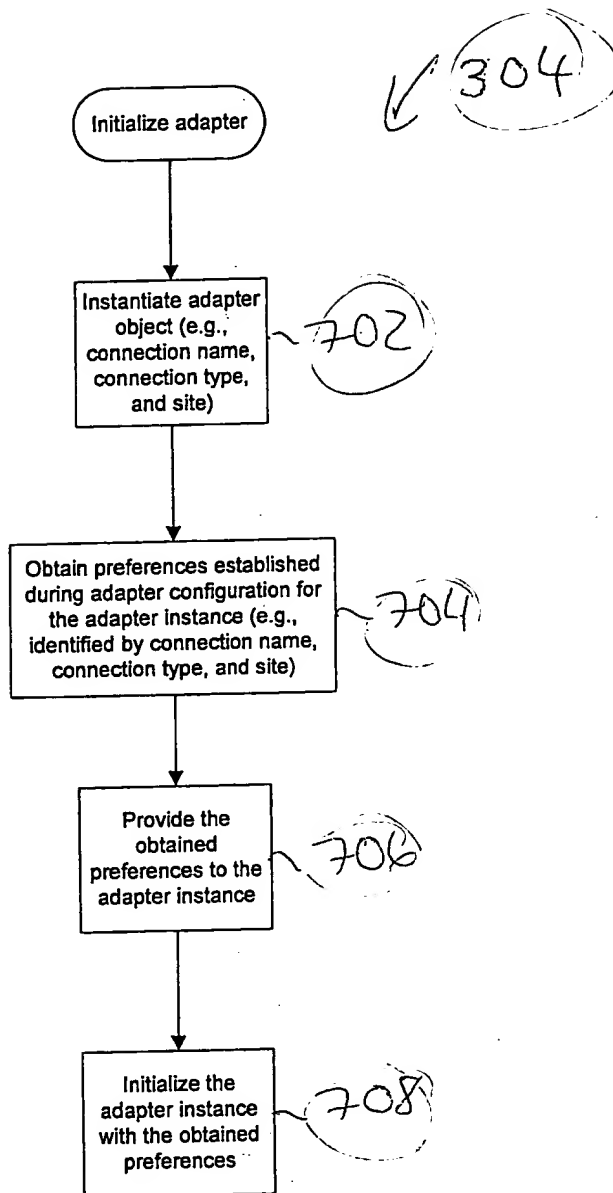


FIG. 7

09006597 09006597

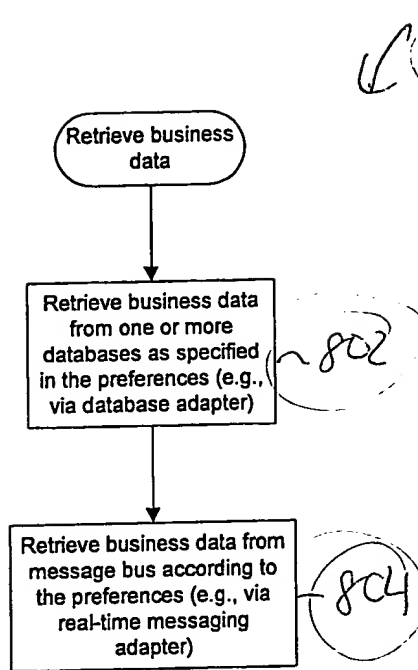


FIG. 8

802

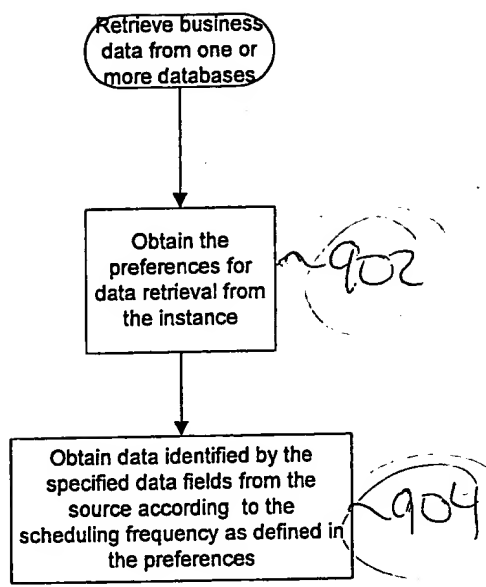


FIG. 9

FIG. 9

1102 1106 1104

Attribute name	Data type	Attribute value	Attribute #	Metric value flag
Customer	String	"SHOES INC"	1	
Order No.	Integer	42859	2	
Ship date	String	"01/04/01"		
SKU1	Integer	000195		
Number of orders - SKU1	Integer	4		
Inventory level for SKU1	Integer	97		1
SKU2	Integer	000228		
Number of orders - SKU2	Integer	16		
Inventory level for SKU2	Integer	31		2

FIG. 11

FIG. 11

Message

Subject name	1202
Array (see FIG. 11)	1204

FIG. 12

093039Z 06001
100200Z 06001

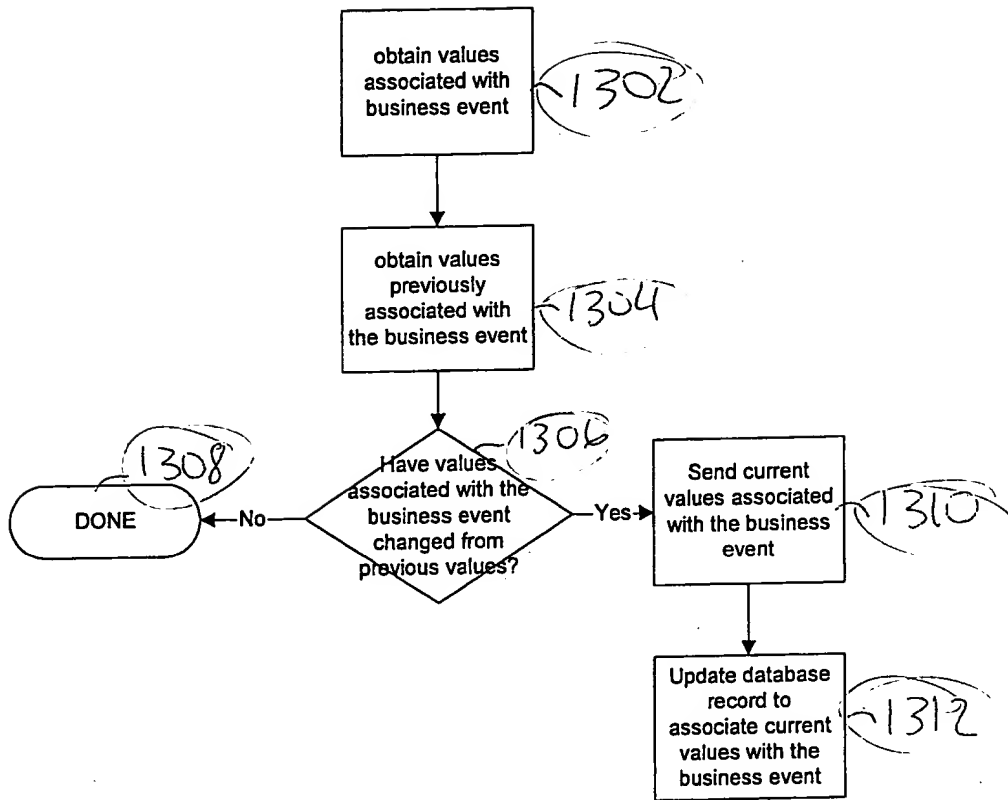
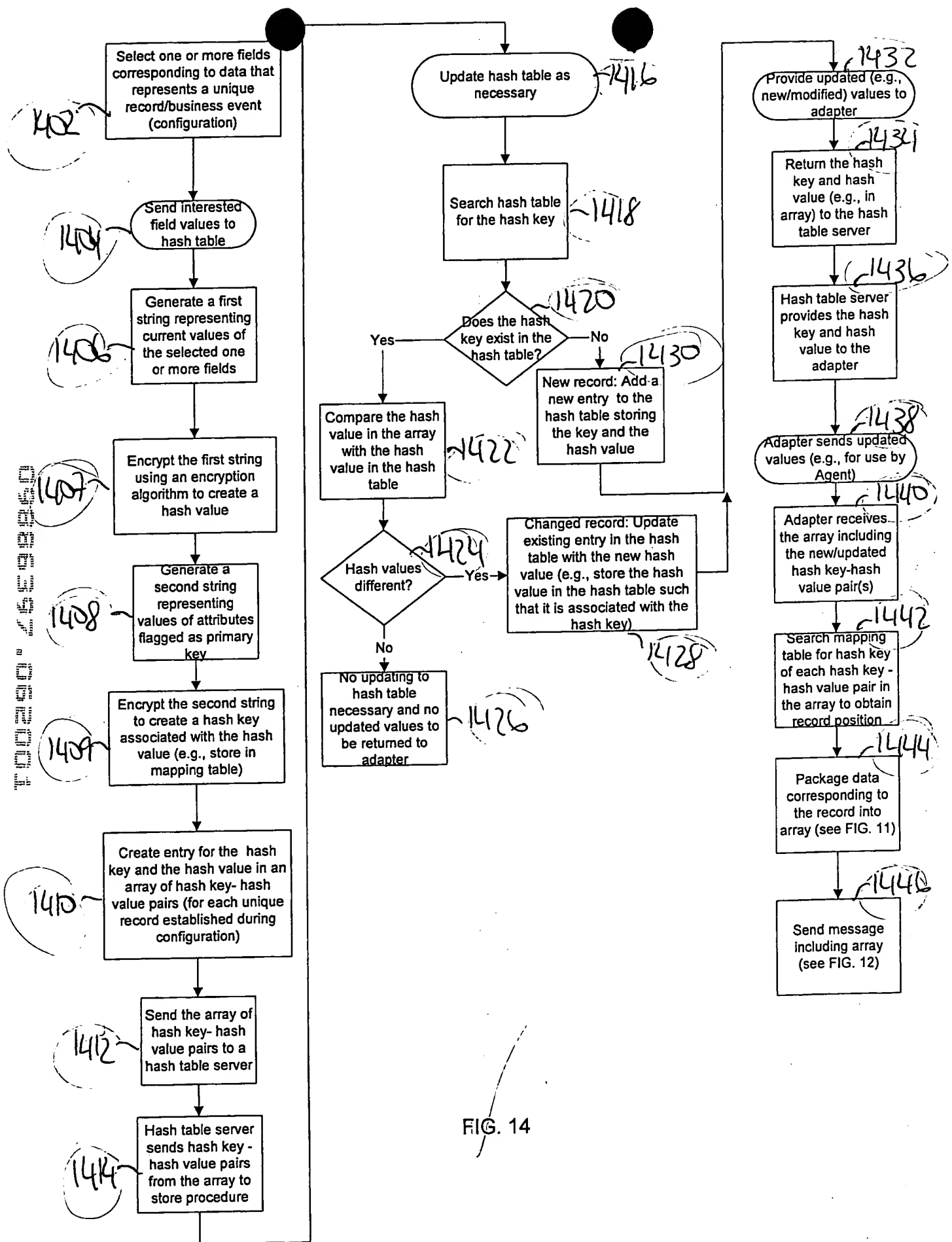


FIG. 13



1502
1504

Hash key	Hash value
Key 1	String 1
Key 2	String 2

FIG. 15

1602
Mapping Table
1604

Hash key	Original record position (e.g., pointer)

FIG. 16

100290" 45599960

FIG. 17

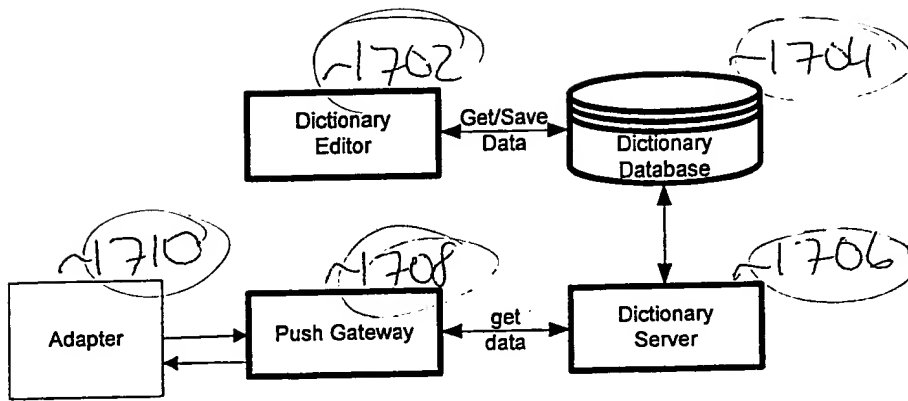


FIG. 17

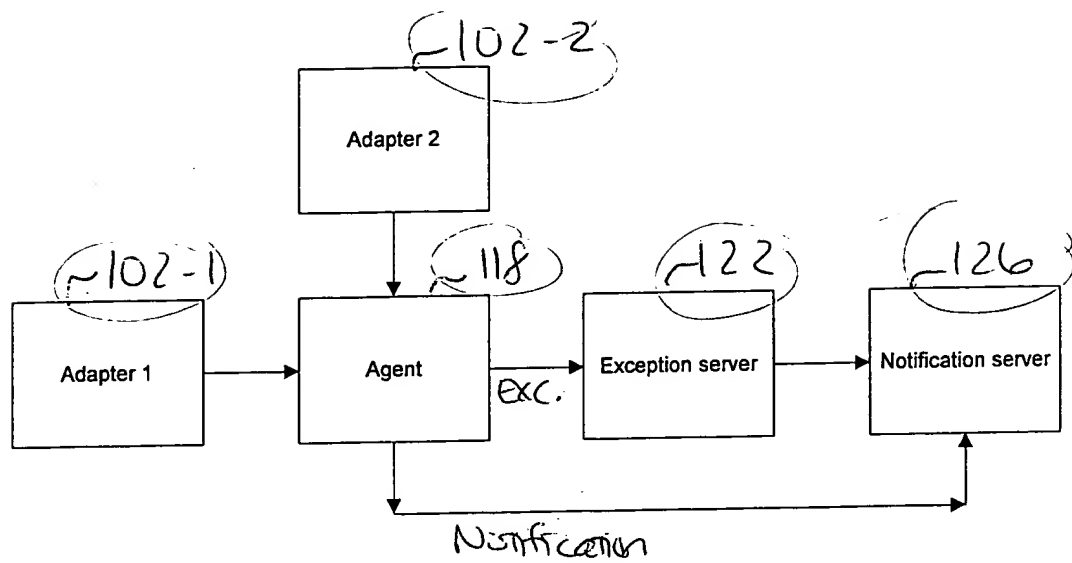


FIG. 18

THE **NEW** **YORK** **PUBLIC** **LIBRARY**

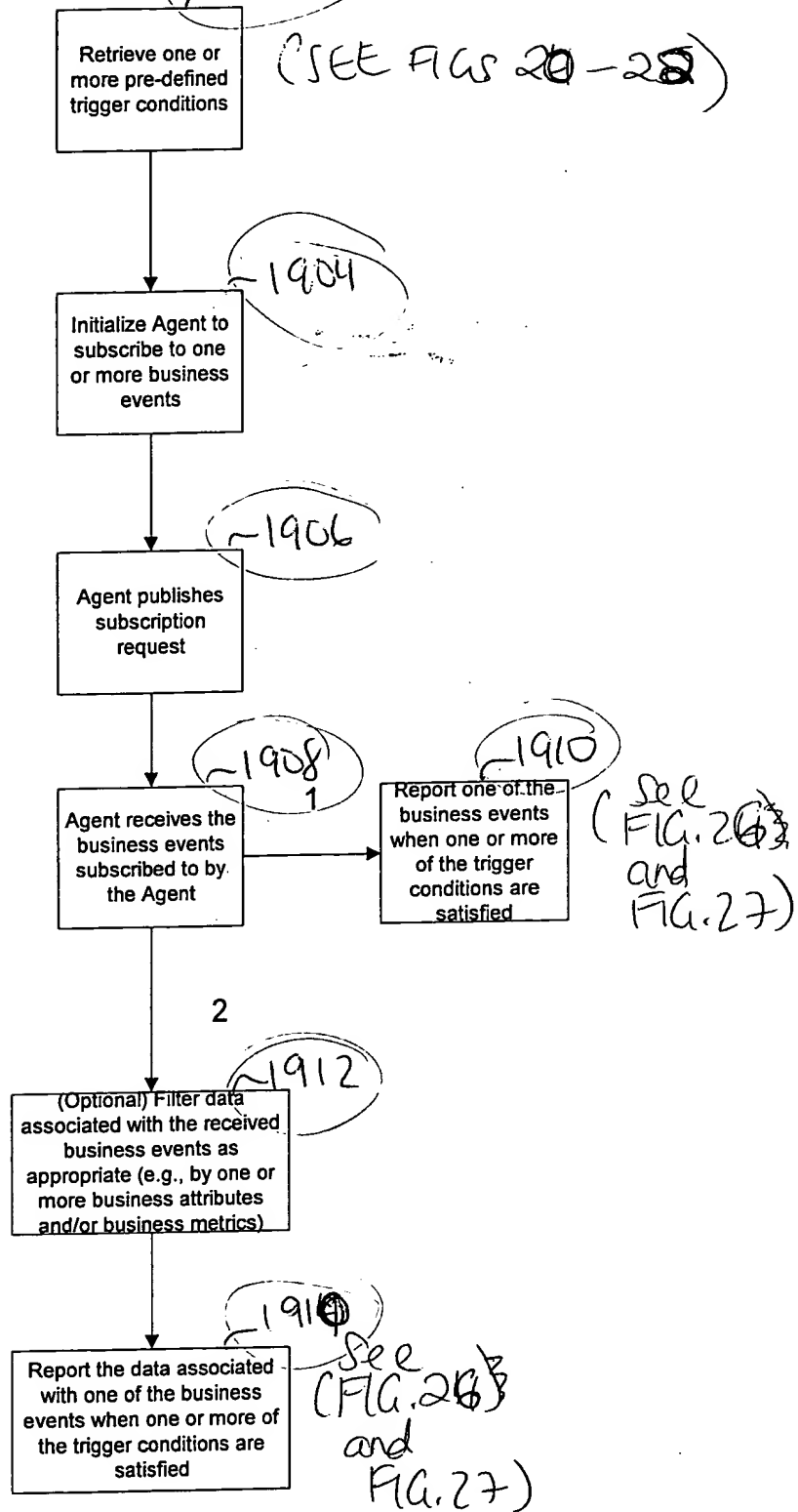


FIG. 19

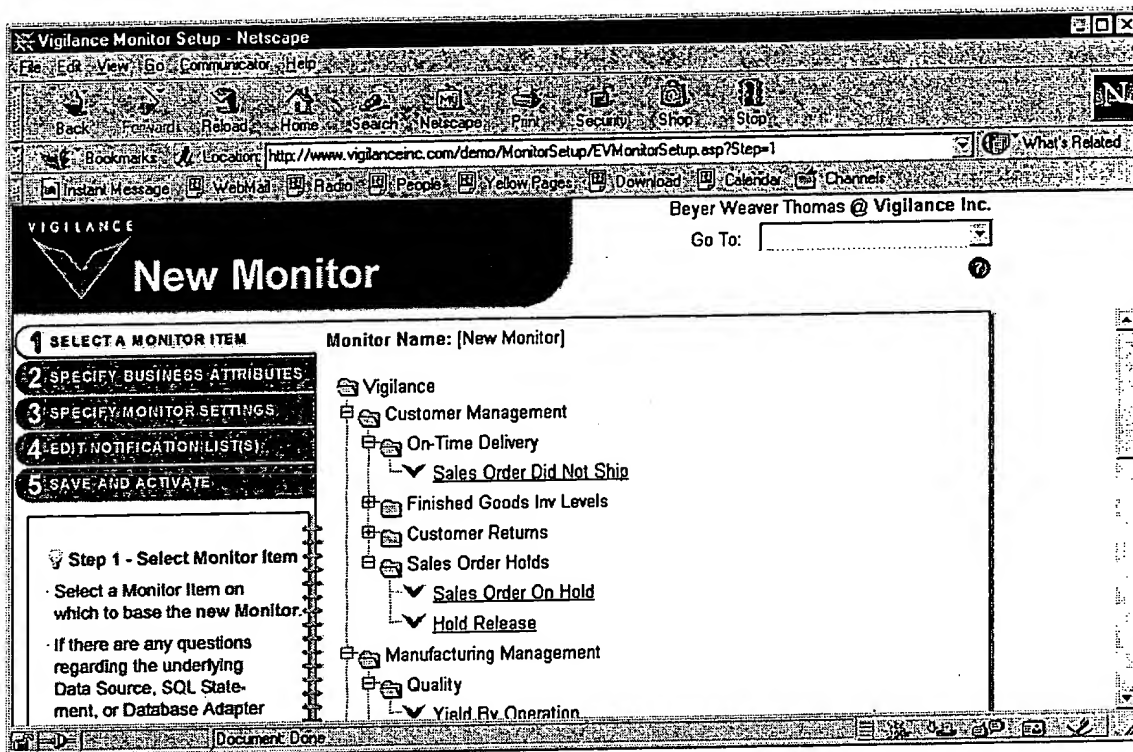


FIG. 20

Vigilance Monitor Setup - Netscape

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Bookmarks Location: http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?MonitorItem=lateshipment&Step=2 What's Related

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VIGILANCE

New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

1 SELECT A MONITOR ITEM Monitor Name: [New Monitor] **STEP 1 STEP 3**

2 SPECIFY BUSINESS ATTRIBUTES Monitor Item: Sales Order Did Not Ship

3 SPECIFY MONITOR SETTINGS

4 EDIT NOTIFICATION LIST(S)

5 SAVE AND ACTIVATE

Step 2 - Specify Business Attribute Values

- Business Attribute Values are case-sensitive.
- Business Attribute Values are optional.

Business Attribute: Order

Enter/Select Attribute Values

Track These Values

Business Attribute: Product Family

Enter/Select Attribute Values

DiskDrive100
DiskDrive200
HardDrive100
PackagedDrives

Track These Values

Business Attribute: Plant

Document Done

FIG. 21

FIG. 21

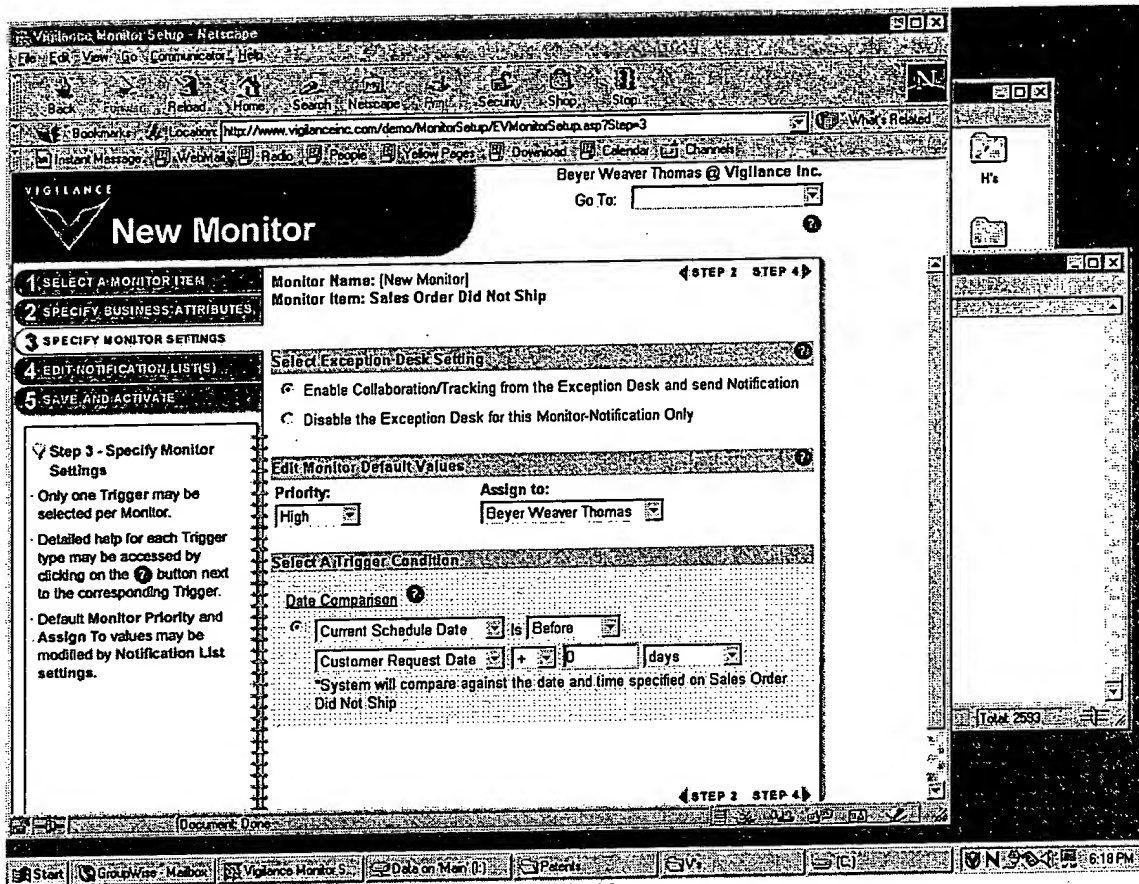


FIG. 22

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=4> What's Related

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VIGILANCE

New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

1 SELECT A MONITOR ITEM

2 SPECIFY BUSINESS ATTRIBUTES

3 SPECIFY MONITOR SETTINGS

4 EDIT NOTIFICATION LIST(S)

5 SAVE AND ACTIVATE

Monitor Name: [New Monitor]

Monitor Item: Sales Order Did Not Ship

Notification Lists Priority Assign To Delete

[No Notification Lists Have Been Created For This Monitor.]

CREATE NEW LIST

Step 4 - Notification Lists

- A Notification List is optional. If omitted, no email or pager messages will be sent and all exceptions will be prioritized and assigned to individuals as specified in Step 3.
- Creating multiple Notification Lists allows different individuals to be notified for particular instances of an Exception. This is specified by Business Attribute Values identified for each Notification List.

Document: Done

FIG. 23.

Vigilance Monitor Setup - Netscape

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VIGILANCE

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

New Monitor

- 1 SELECT A MONITOR ITEM
- 2 SPECIFY BUSINESS ATTRIBUTES
- 3 SPECIFY MONITOR SETTINGS
- 4 EDIT A NOTIFICATION LIST
- 5 SAVE AND ACTIVATE

Step 4 - Notification Lists

- A Notification List is optional. If omitted, no email or pager messages will be sent and all exceptions will be prioritized and assigned to individuals as specified in Step 3.
- Creating multiple Notification Lists allows different individuals to be notified for particular instances of an Exception. This is specified by Business Attribute Values identified for each Notification List.

Monitor Name: [New Monitor] ***FINISH LIST**

Monitor Item: Sales Order Did Not Ship

List Name: [New List]

Select Notification Method

☒ E-Mail ☐ Alphanumeric pager ☐ Numeric pager

☐ Disable Notification Grouping for selected users.*

Select Users

Users	Notification Recipients
Alexander Jeffers	Beyer Weaver Thomas(E)
Amie Wang	
Andy Sawran	
Anessa Katz	
Beyer Weaver Thomas	
Bill Bailey	
Bill Gilster	
Bob Durose	
Brian Clausen	

Select Notification Time

☒ At All Times or

☐ From 9:00 AM to 5:00 PM

Select Notification Days

Document Done

FIG. 24A

Vigilance Monitor Setup - Netscape

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VIGILANCE

New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

Select Notification Days

☒ Everyday or

☐ M, ☐ Tu, ☐ W, ☐ Th, ☐ F, ☐ Sa, ☐ Su

Select Notification Delay

☒ Notify immediately, no delay.

☐ Notify after days

☐ Notify when Exception Status is

Field-Based Notification (Based on Email Address or Alias)

☐ Use Field-Based Notification

☐ Enable Safety Net

Notification Method:

☐ E-Mail ☐ Alphanumeric Pagers ☐ Numeric Pagers

Notify These Recipients For

☐ All exceptions of this monitor

☒ Specific exceptions of this monitor (By Business Attributes)

Document Done

FIG. 24B

Vigilance Monitor Setup - Netscape

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VIGILANCE

New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

Business Attribute: Order

Attribute Values

Track These

[All Values]

Business Attribute: Product Family

Attribute Values

DiskDrive100
DiskDrive200
HardDrive100
PackagedDrives
PCMB

Track These

[All Values]

Business Attribute: Plant

Attribute Values

US01
US02
US03
EU01
EU02

Track These

[All Values]

Document Done

FIG. 24C

Vigilance Monitor Setup - Netscape

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VIGILANCE

New Monitor

Beyer Weaver Thomas @ Vigilance Inc.

Go To:

Edit Notification Message

☒ Use Default Message
☐ Customize the Message

Select Exception Properties For This Notification List

Priority: Assign to:

Name/Notification List

Notification List Name

Existing Lists For This Monitor

[No Existing Notification List]

FINISH LIST

Document Done

FIG. 24D

FIG. 24C

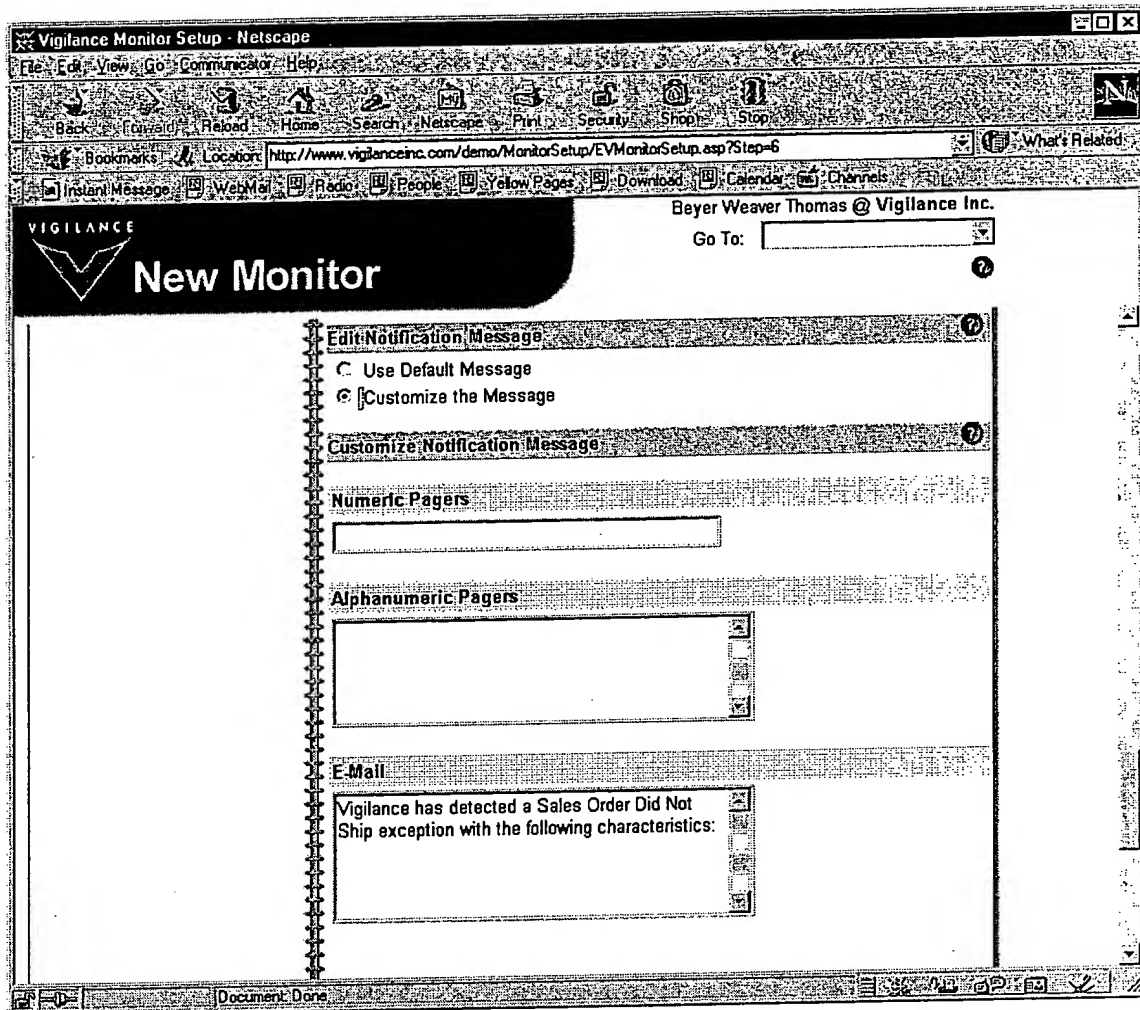


FIG. 24E

05000397.002004

09060397.060001

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=6> What's Related

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VIGILANCE **New Monitor**

Beyer Weaver Thomas @ Vigilance Inc.
Go To:

Select Exception Properties For This Notification List

Priority: Assign to:

Name Notification List

Notification List Name

Existing Lists For This Monitor

[No Existing Notification List]

FINISH LIST

Document Done

FIG. 24F

Vigilance Monitor Setup - Netscape

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Bookmarks Location: <http://www.vigilanceinc.com/demo/MonitorSetup/EVMonitorSetup.asp?Step=5> What's Related

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Bayer Weaver Thomas @ Vigilance Inc.

Go To:

VIGILANCE New Monitor

- 1 SELECT A MONITOR ITEM
- 2 SPECIFY BUSINESS ATTRIBUTES
- 3 SPECIFY MONITOR SETTINGS
- 4 EDIT NOTIFICATION LIST(S)
- 5 SAVE AND ACTIVATE

Monitor Name: [New Monitor] **Monitor Item: Sales Order Did Not Ship** **STEP 4**

Edit Monitor Details

Monitor Name

Existing Monitors

- 1stsi - Sales order on hold demo
- Actual below .4 of forecast
- CM-BacklogAging-30Day
- CM-LatePO
- CM-LateShip-OSD

Department (Optional)

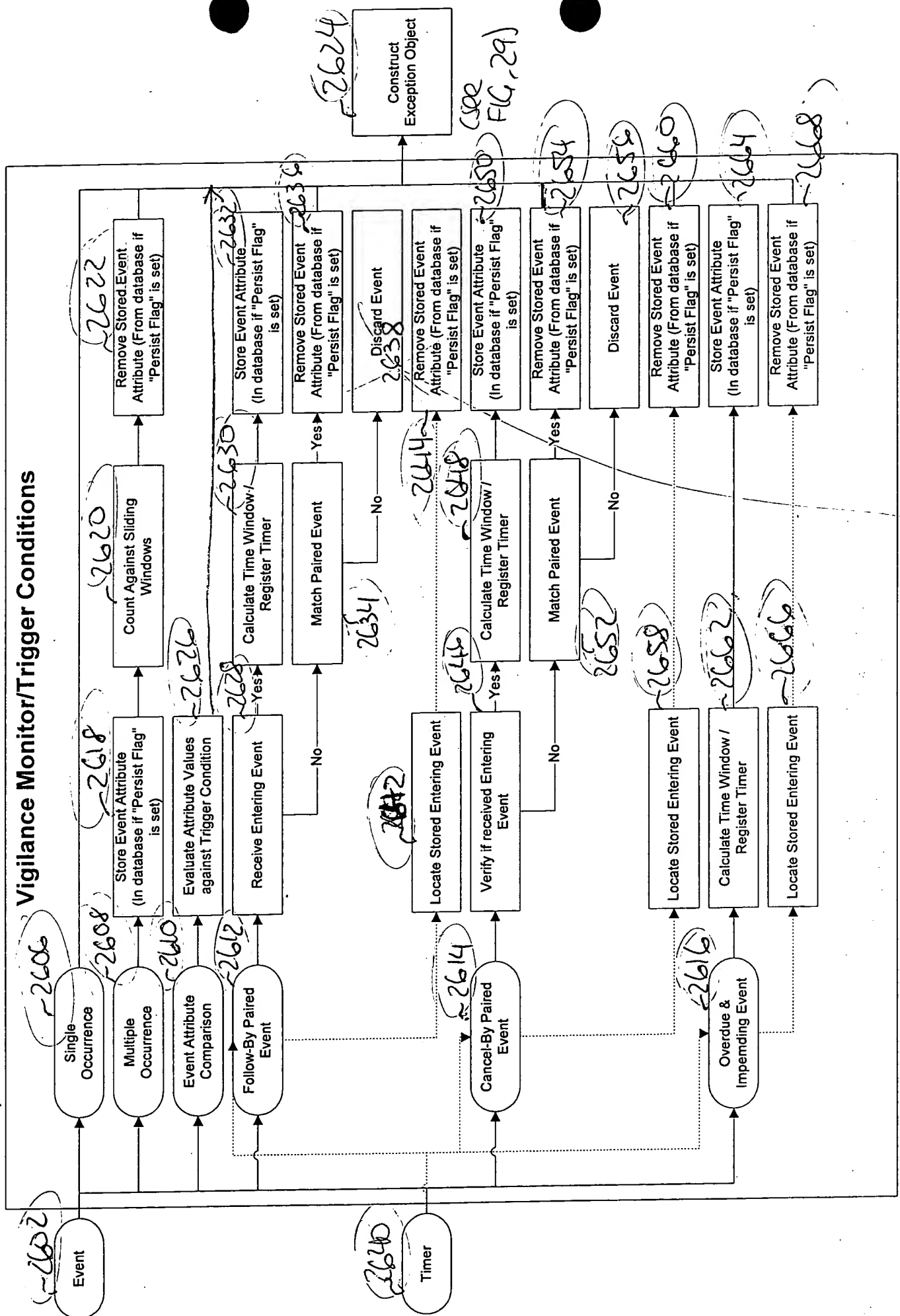
Step 5 - Save and Activate

- Choose a Monitor Name that is meaningful and will allow others to determine each Monitor's purpose.
- Descriptive prefixes for Monitor Names are recommended to aid with identification and grouping (e.g. - IM - Lot on Hold > 2 hrs., PA - Goods Receipt ⇔ Invoice Qty., etc.)
- Monitor will take effect the first time the corresponding Database Adapter runs following activation. Consult the Vigilance Dictionary Editor or your Vigilance System Administrator for Adapter run times.

Document Done

FIG. 25

Vigilance Monitor/Trigger Conditions



2706

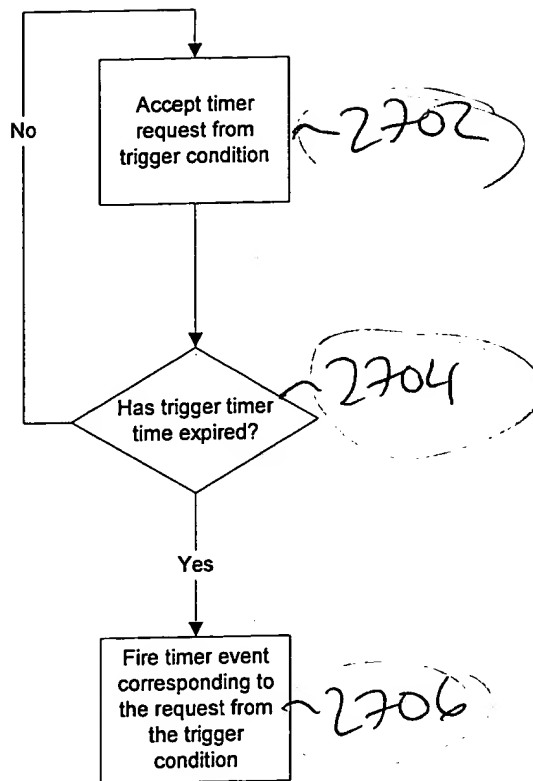


FIG. 27

Monitor object

Monitor Name 2802
Monitor Author 2804
Condition 2806
One or more attributes 2808 (e.g., including one or more values)
Notification 2810
Assignment 2812

FIG. 28

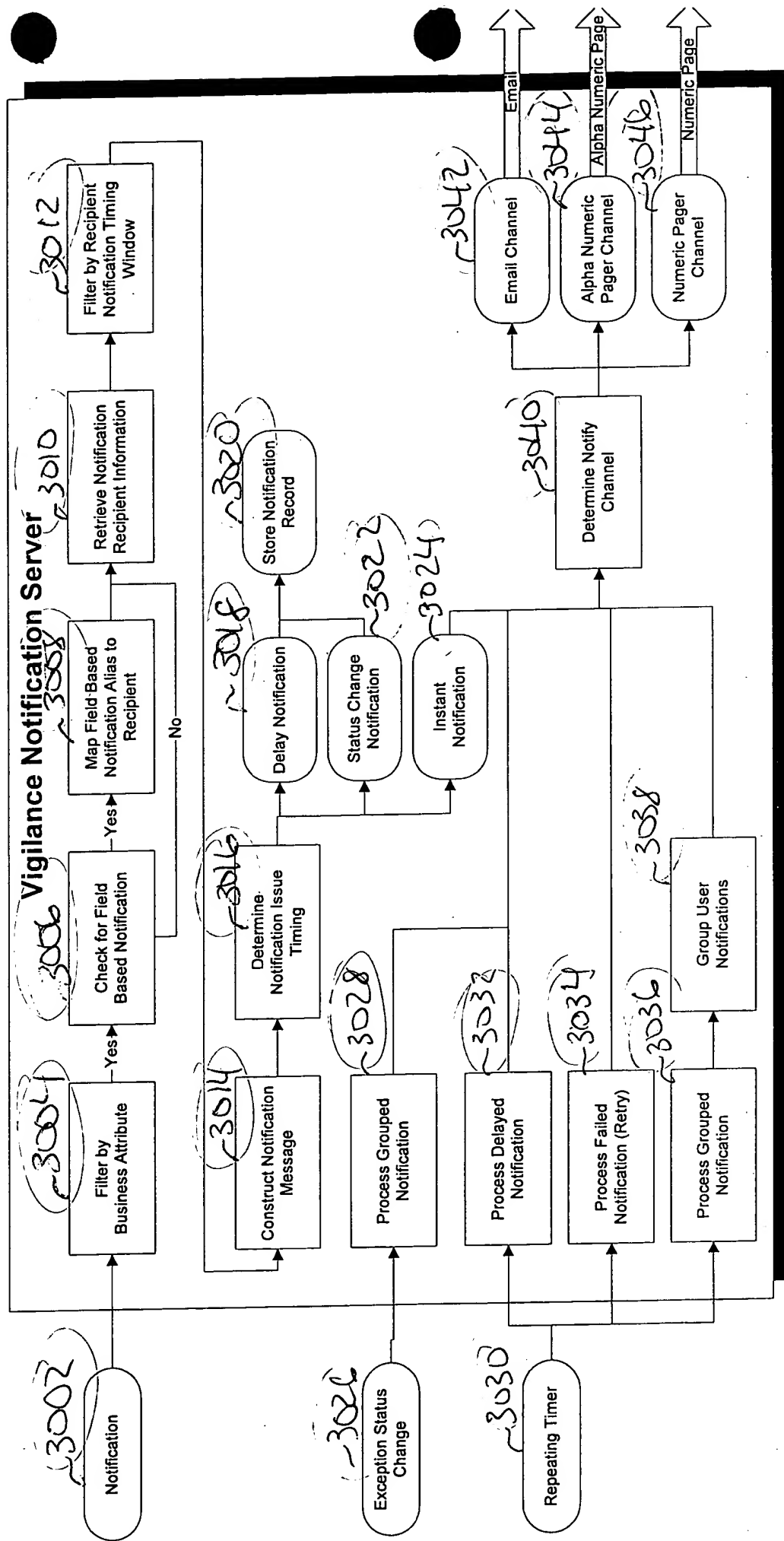
Exception object

Exception identifier 2902	Exception description 2904	Event identifier 2906
Trigger condition 2908	Trigger type 2910	One or more attributes (e.g., business metrics) 2912
One or more attribute values 2914	Monitor name 2916	Monitor item 2918
Notification/exception 2920	Assign to 2922	Priority 2924
Detection time 2926	Analysis 2928	Analysis author 2930

FIG. 29

FIG. 28

FIG. 30



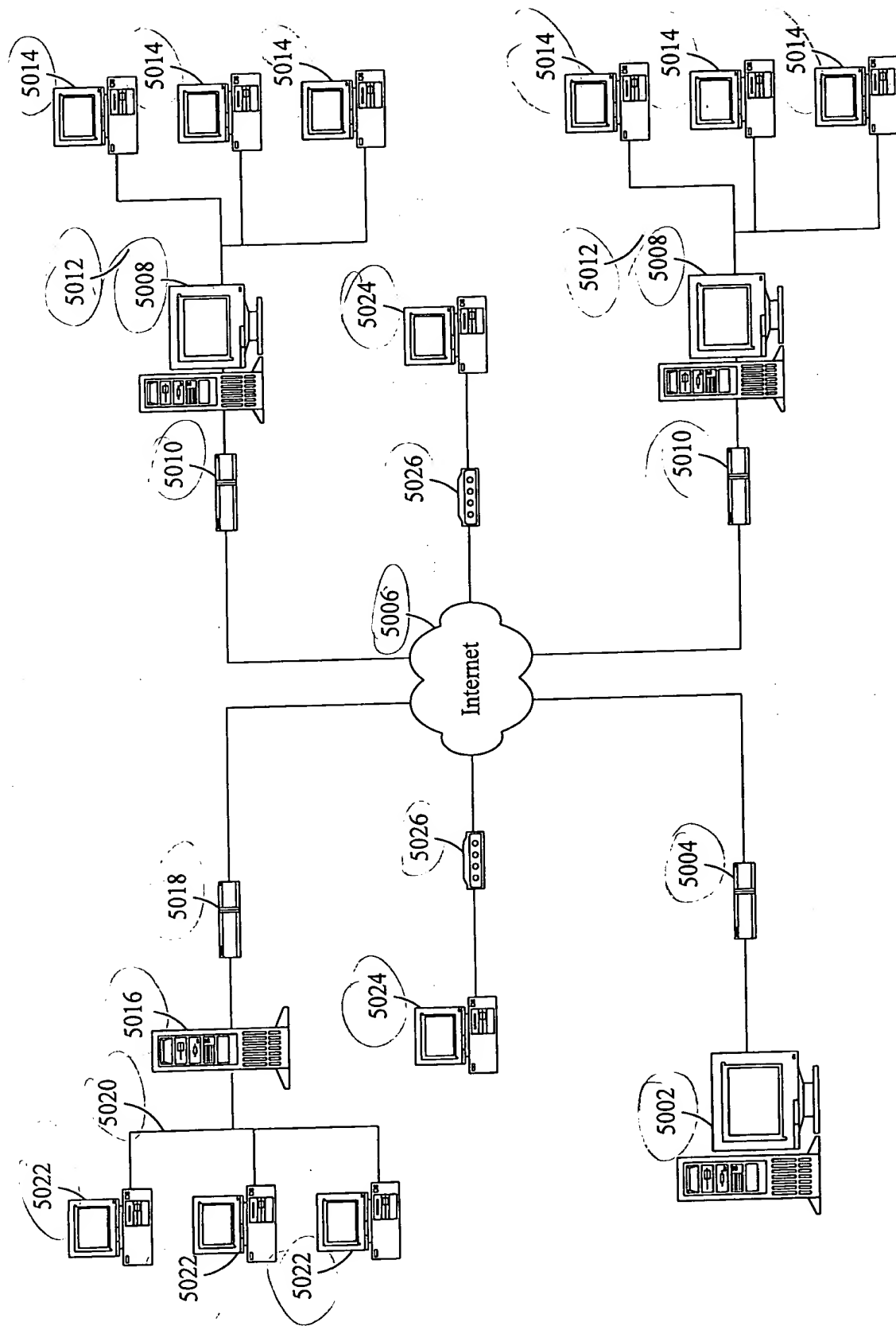


FIG. 3